APPLN. FILING DATE: JANUARY 15, 2004

TITLE: LUMINESCENT HETERODIAMONDOIDS AS BIOLOGICAL LABELS
INVENTOR(S): JEREMY E. DAHL ET AL.

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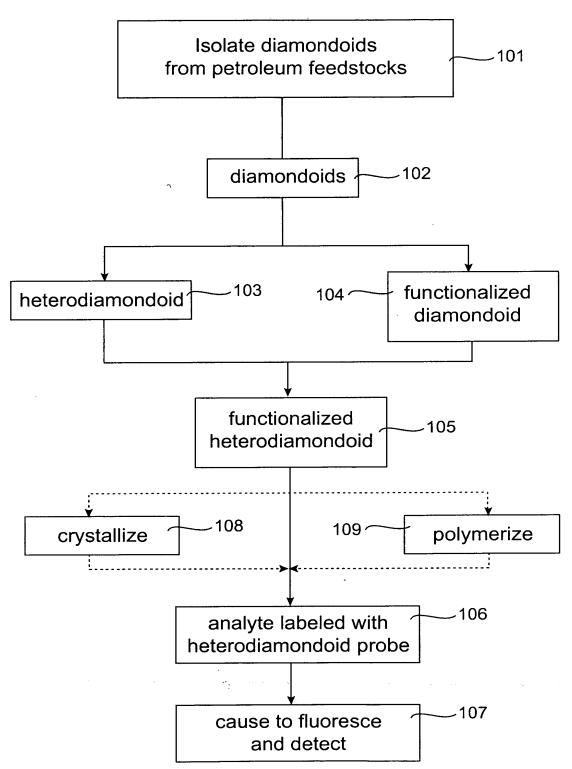


FIG. 1

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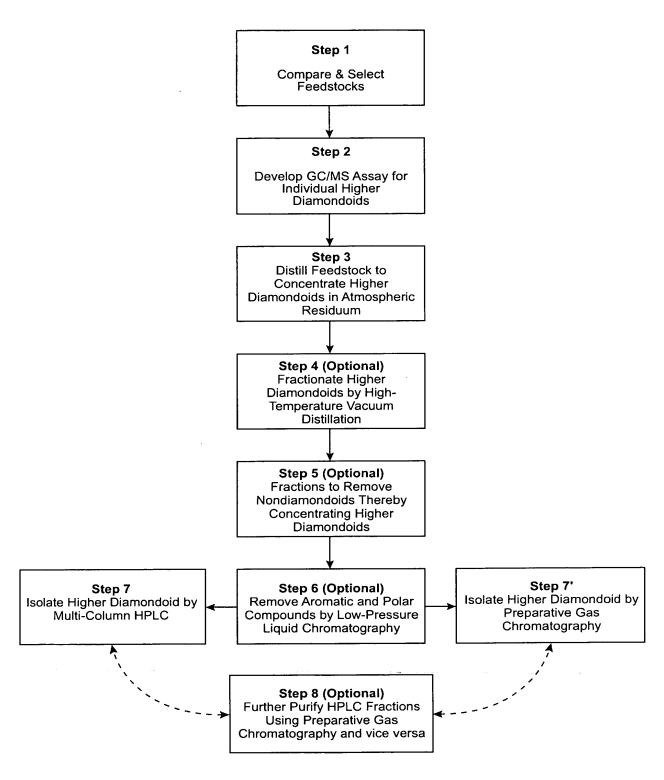


FIG. 2

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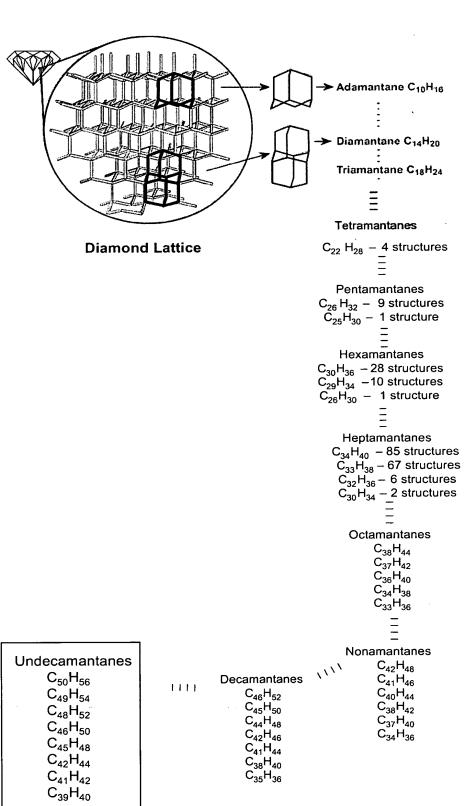


FIG. 3

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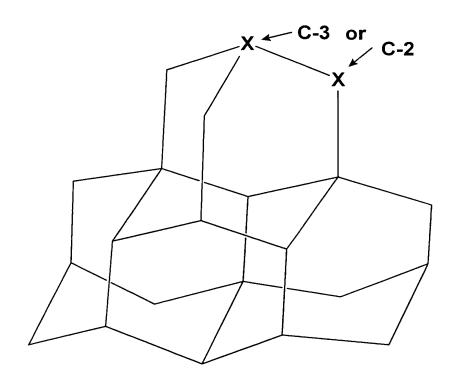


FIG. 4

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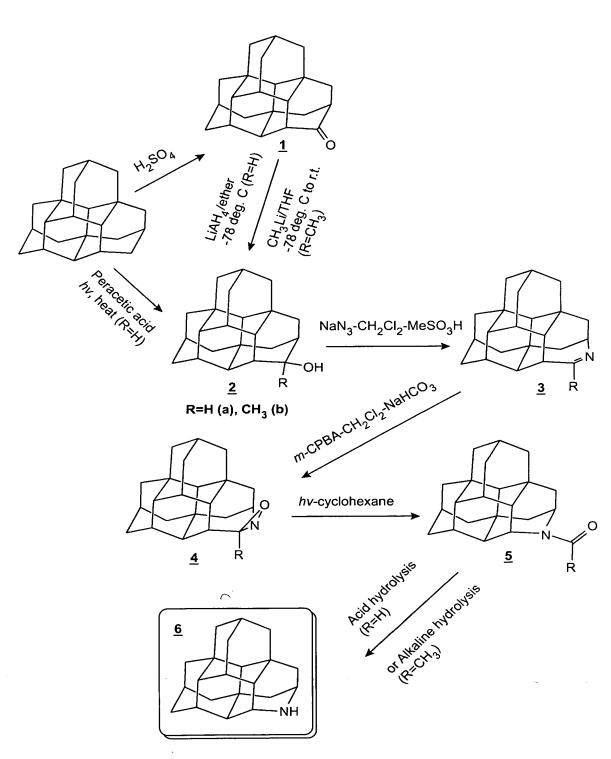


FIG. 5A

INVENTOR(S): JEREMY E. DAHL ET AL. APPLICATION SERIAL NO. 10/758,679 **SHEET 6 of 13** 6 / 13 H<sub>2</sub>SO<sub>4</sub>, 75 deg. C NaM3, Me503H <u>1</u> Pb(OAc)<sub>4</sub>, AcOH CO<sub>2</sub>H  $^{\text{OAc}}$ LiA1H4' ether <u>8</u> <u>7</u> (exo- and endo-) <u>10</u> CrO<sub>3</sub>, acetone √у ОН <u>9</u> (exo- and endo-)

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FIG. 5B

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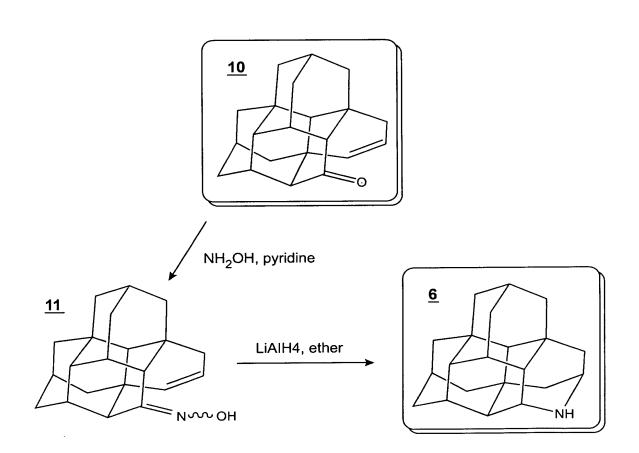


FIG. 5B (cont.)

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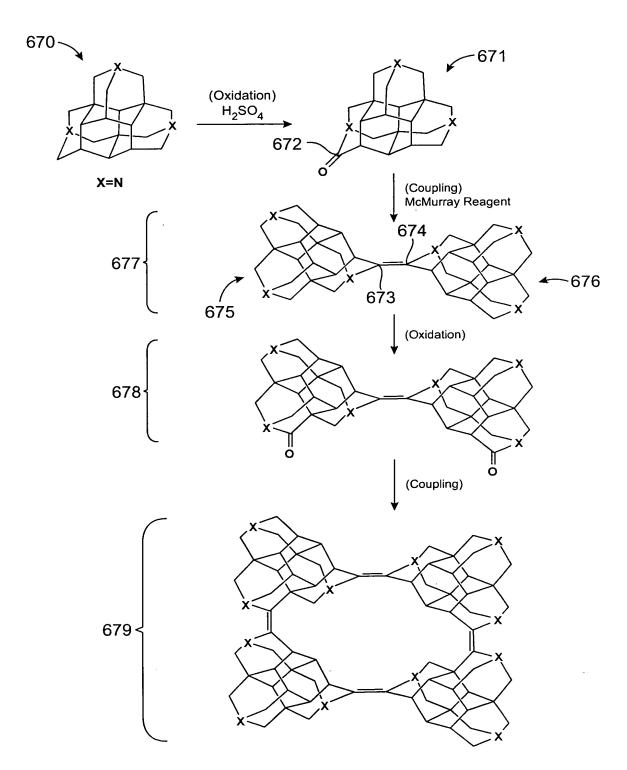


FIG. 6

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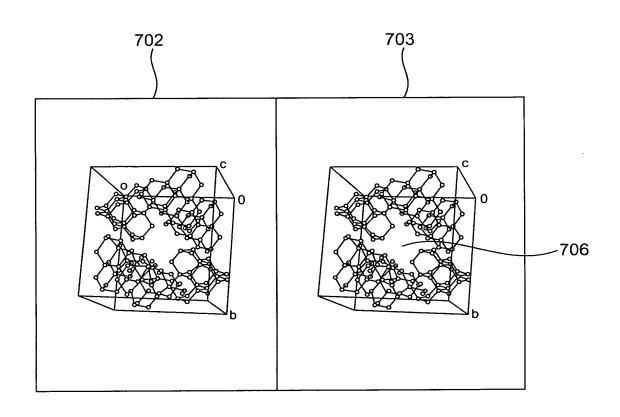


FIG. 7

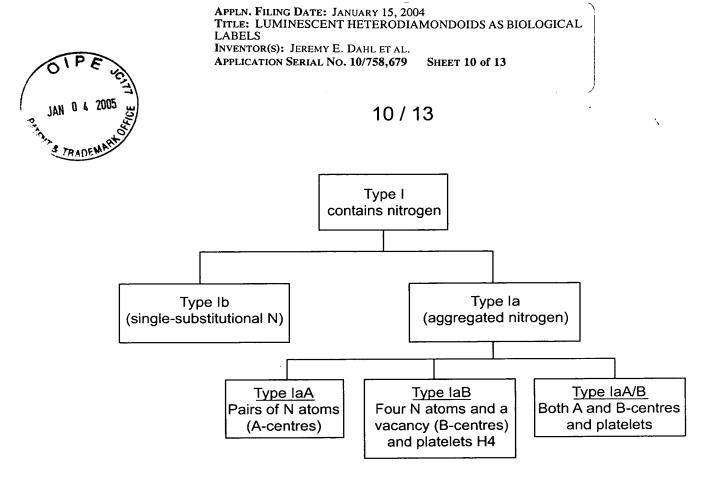


FIG. 8

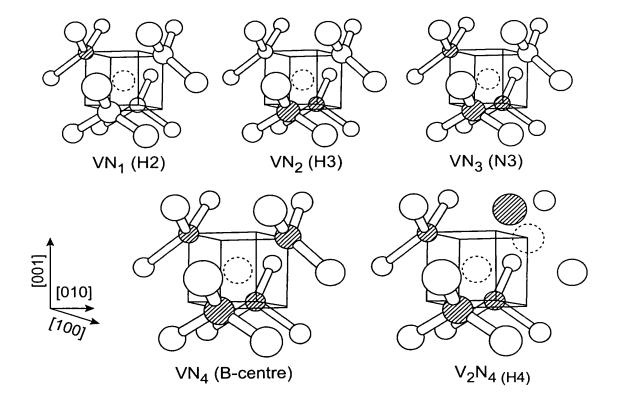
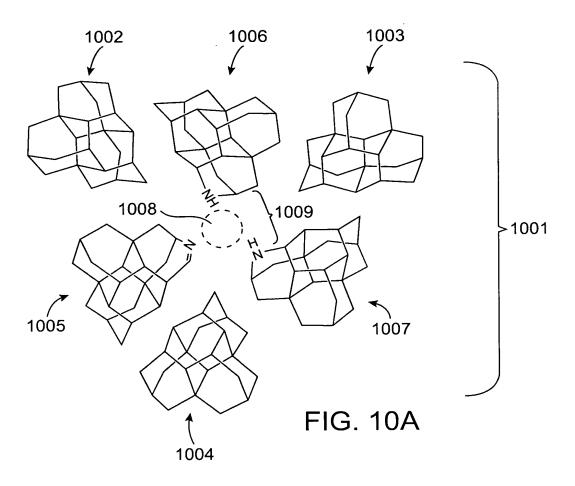


FIG. 9

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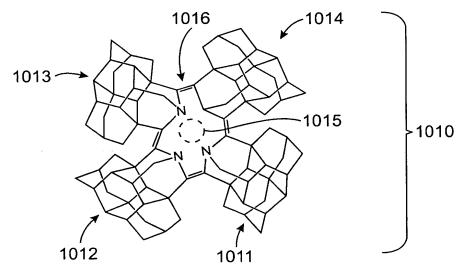
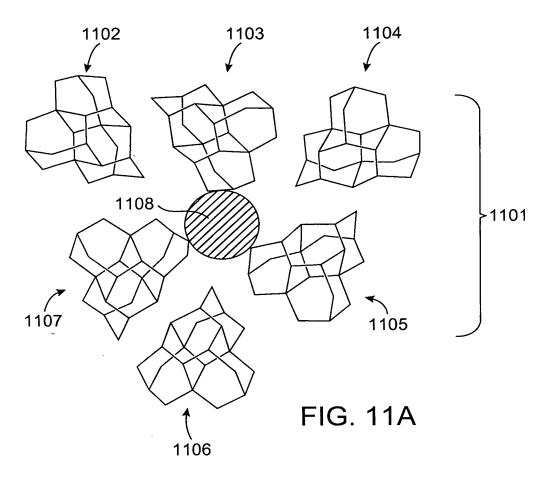


FIG. 10B

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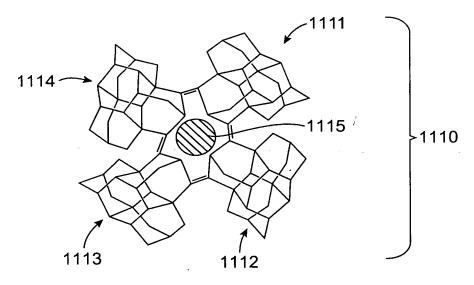


FIG. 11B

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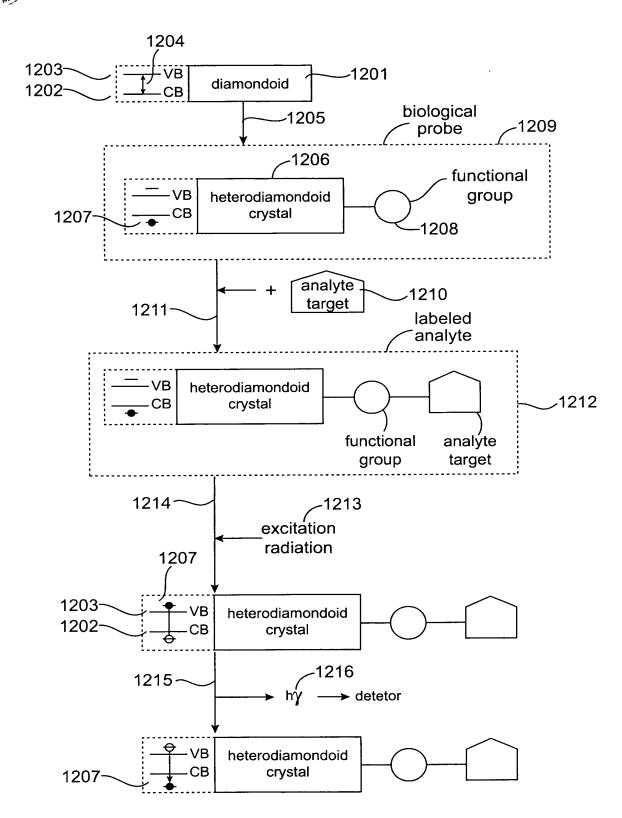


FIG. 12